



NYBY Cu/PVC/STA/PVC 0.6/1(1.2)kV

DESCRIPTION:

Power cable 0,6/1kV with Cu conductors,
PVC insulated,STA and PVC sheathed

CABLE STRUCTURE:

Conductor: [re] round solid conductor
[rm] circular stranded conductor
[sm]Sector shape conductor

Insulation: PVC

Filler: PVC

Armour: Galvanized steel tape helically applied

Out Sheath:PVC or FR-PVC type ST2/ST8,black

CODE DESIGNATION: NYBY

APPLICATION:

The NYBY cable is suitable for installation indoors,in cable channels and in duct in ground in switchgear,power stations and industrial application,in harsh environments where a high level mechanical protection is required.

Technical data:

Voltage Rating: U₀/U 0.6/1kV

Test Voltage: 3.5KV

Temperature Rating Maximum Operating:
+70°C

Maximum Short-Circuit:
+160°C

Minimum Bending Radius:
12×overall diameter

STANDARDS:

European standards:

IEC 60502-1,VDE 0276-603, IS 1516.1

Flame retardant according to IEC 60332-1

Indonesia standards:

Conductor SNI IEC 60228,SPLN41-1;

Insulation SNI IEC 60502-1;SPLN41-9;

PVC Sheath Grade ST2 to IEC 60502-1,
grade YM/2 to SPLN41-2.Black colour.

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for our product categories. Additionally, we possess other authoritative certifications recognized in various countries and regions. For further details on our certification portfolio, please do not hesitate to contact us.





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Specifications

Nom.Cross- section Area	Nominal Thickness		Overall Diameter	Cable Weight	DC Resistance at 20°C Insulation min	Current Carrying Capacity at 30°C	
	Insulation	Outer Sheath				In Air	In Ground
mm ²	mm	mm	mm	km/kg	Ω/km	A	
2×6 re	1.0	1.8	16.7	557	9	59	48
2×6 rm	1.0	1.8	17.5	587	8	59	48
2×10 re	1.0	1.8	19.0	672	7	78	66
2×10 rm	1.0	1.8	19.4	709	6	78	66
2×16 rm	1.0	1.8	21.3	894	5	102	90
2×25 rm	1.2	1.8	24.8	1248	5	134	120
2×35 rm	1.2	1.8	27.2	1555	4	160	150
2×50 rm	1.4	1.8	30.3	1952	4	187	180
2×70 rm	1.4	1.9	34.5	2600	4	230	230
2×95 rm	1.6	2.1	40.4	3745	4	280	275
2×120 rm	1.6	2.2	43.8	4476	3	320	320
2×150 rm	1.8	2.4	48.4	5418	3	355	379
2×185 rm	2.0	2.5	53.3	6649	3	409	430
2×240 rm	2.2	2.7	59.7	8524	3	472	510
2×300 rm	2.4	2.9	65.8	10229	3	525	590
3×4 re	1.0	1.8	16.4	499	10	41	34
3×4 rm	1.0	1.8	17.2	534	9	41	34
3×6 re	1.0	1.8	17.5	591	9	52	44
3×6 rm	1.0	1.8	18.4	638	8	52	44
3×10 re	1.0	1.8	20.0	807	7	69	60
3×10 rm	1.0	1.8	20.4	835	6	69	60
3x16 rm	1.0	1.8	22.5	1159	5	89	80
3×25 rm	1.2	1.8	26.2	1517	5	116	105
3×35 rm	1.2	1.8	28.6	1894	4	138	130
3×50 sm	1.4	1.9	30.5	2238	4	165	160



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mm ²	mm	mm	mm	km/kg	Ω/km	A	
3×95 sm	1.6	2.2	38.9	4256	4	245	245
3×120 sm	1.6	2.3	41.6	5124	3	285	285
3×150 sm	1.8	2.4	45.6	6223	3	315	325
3×185 sm	2.0	2.6	49.4	7613	3	355	370
3×240 sm	2.2	2.8	54.8	9623	3	415	435
3×300 sm	2.4	3.0	59.7	11588	3	465	500
3×150 sm	1.8	2.4	48.9	7407	3	315	325
3×185 sm	2.0	2.6	52.5	8774	3	355	370
3×240 sm	2.2	2.8	57.9	11036	3	415	435
3×300 sm	2.4	3.0	62.5	13137	3	465	500
4×2.5 re	0.8	1.8	16.4	499	10	32	25
4×2.5 rm	0.8	1.8	17.2	534	9	32	25
4×4 re	1.0	1.8	16.4	499	10	41	34
4×4 rm	1.0	1.8	17.2	534	9	41	34
4×6 re	1.0	1.8	17.5	591	9	52	44
4×6rm	1.0	1.8	18.4	638	8	52	44
4x10 re	1.0	1.8	19.0	1075	7	69	60
4×10 rm	1.0	1.8	19.4	1101	6	69	60
4×16 rm	1.0	1.8	21.8	1455	5	89	80
4×25 rm	1.2	1.8	25.9	2093	5	116	105
4×35 rm	1.2	1.9	28.6	2602	4	138	130



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mm ²	mm	mm	mm	km/kg	Ω/km	A	
4 × 70 sm	1.4	2.2	34.1	4093	4	205	200
4 × 95 sm	1.6	2.4	38.7	5370	4	245	245
4 × 120 sm	1.6	2.5	42.6	6563	3	285	285
4 × 150 sm	1.8	2.6	46.3	7938	3	315	325
4 × 185 sm	2.0	2.8	52.2	9756	3	355	370
4 × 240 sm	2.2	3.0	58.5	12409	3	415	435
4 × 300 sm	2.4	3.2	65.4	15104	3	465	500
5 × 4 re	1.0	1.8	18.7	656	10	41	34
5 × 4 rm	1.0	1.8	19.7	704	9	41	34
5 × 6 re	1.0	1.8	20.1	842	9	52	44
5 × 6 rm	1.0	1.8	21.2	857	8	52	44
5 × 10 re	1.0	1.8	23.3	1114	7	69	60
5 × 10 rm	1.0	1.8	23.7	1149	6	69	60
5 × 16 rm	1.0	1.8	26.3	1498	5	89	80
5 × 25 rm	1.2	1.8	31.0	2365	4	116	105
5 × 35 rm	1.2	2.0	34.6	2803	4	138	130
5 × 50 rm	1.4	2.2	40.4	3909	3	165	160
5 × 16 rm	1.0	1.8	28.3	1928	5	89	80
5 × 25 rm	1.2	1.9	33.2	2641	5	116	105
5 × 35 rm	1.2	2.0	37.4	3520	4	138	130
5 × 50 rm	1.4	2.1	43.0	4921	4	165	160